



Application No.: 09/399,902 Inventor(s): Singer, et al.
Filing Date: 09/21/1999
Title: SYSTEM AND METHOD FOR NETWORK AUTO-
DISCOVERY AND CONFIGURATION
Art Unit: 2154

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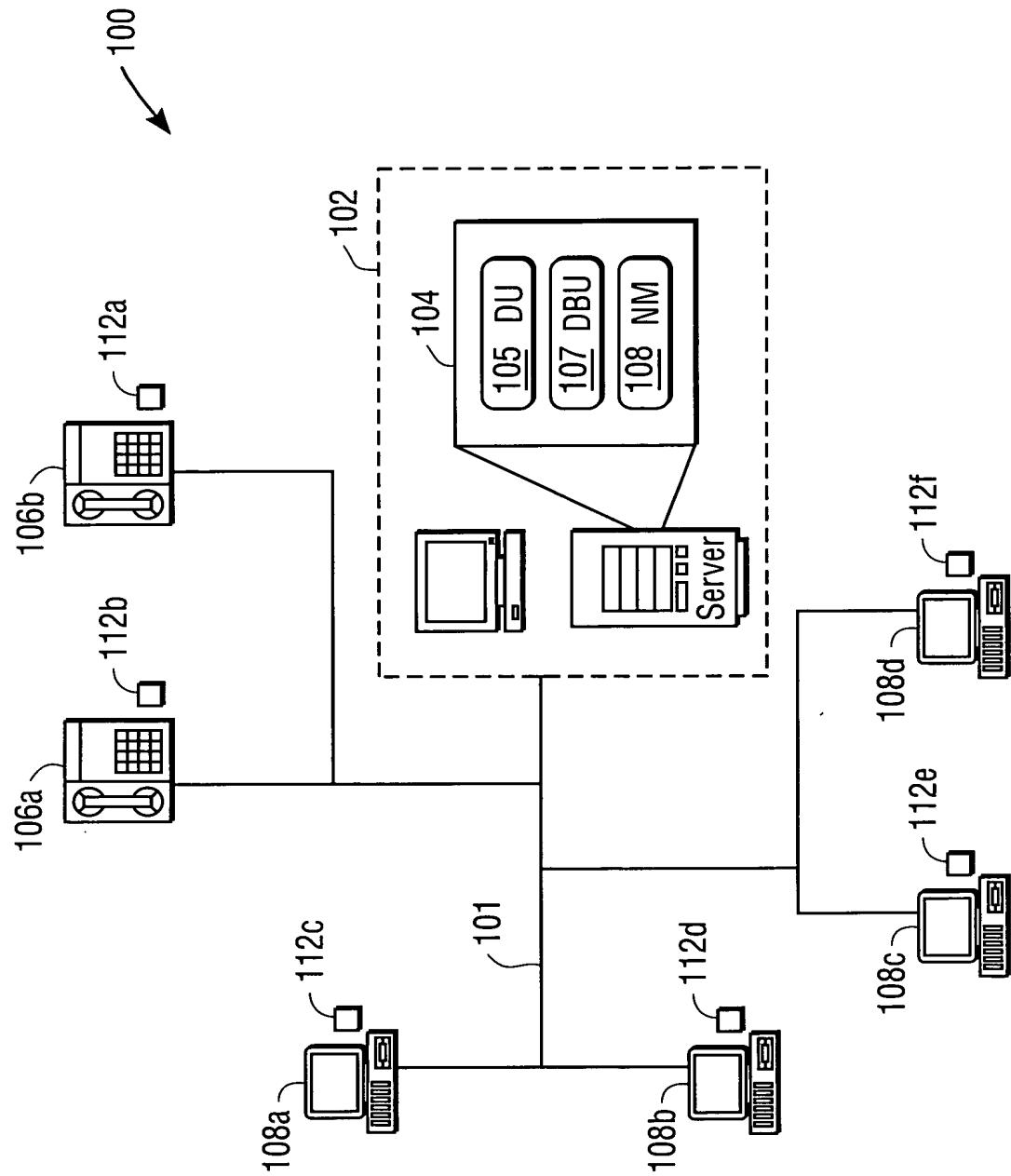


FIG. 1



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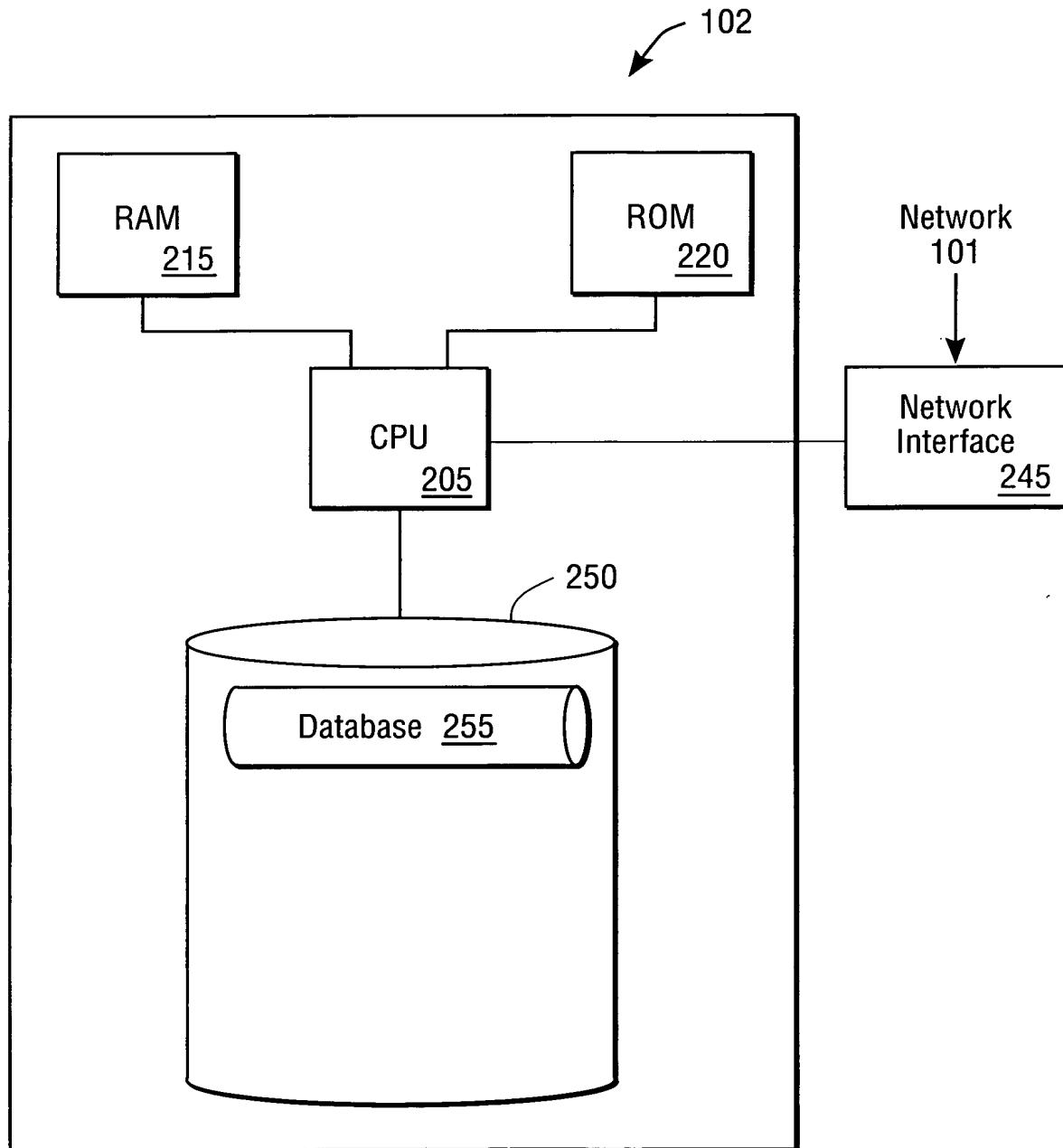


FIG. 2

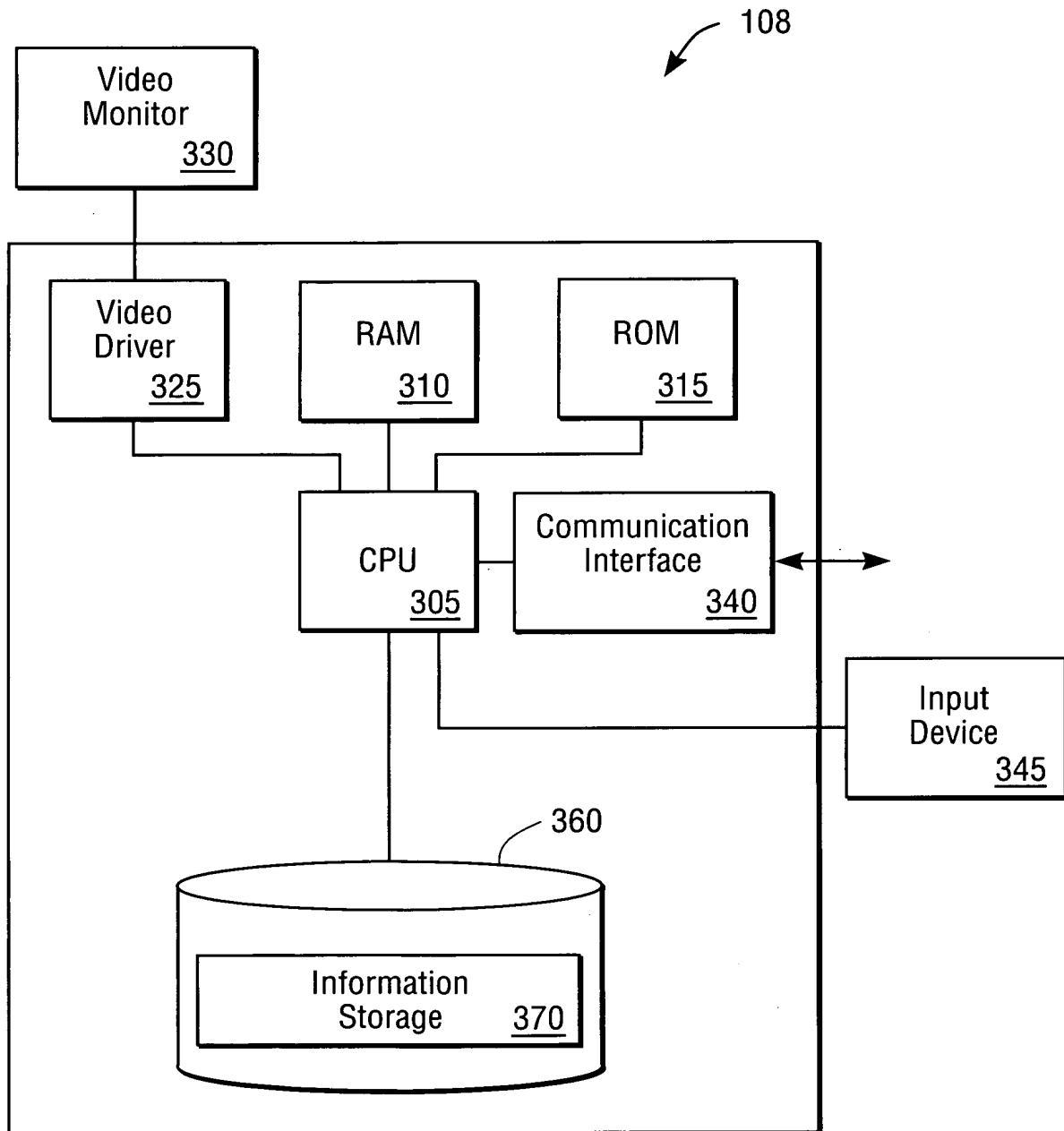


FIG. 3

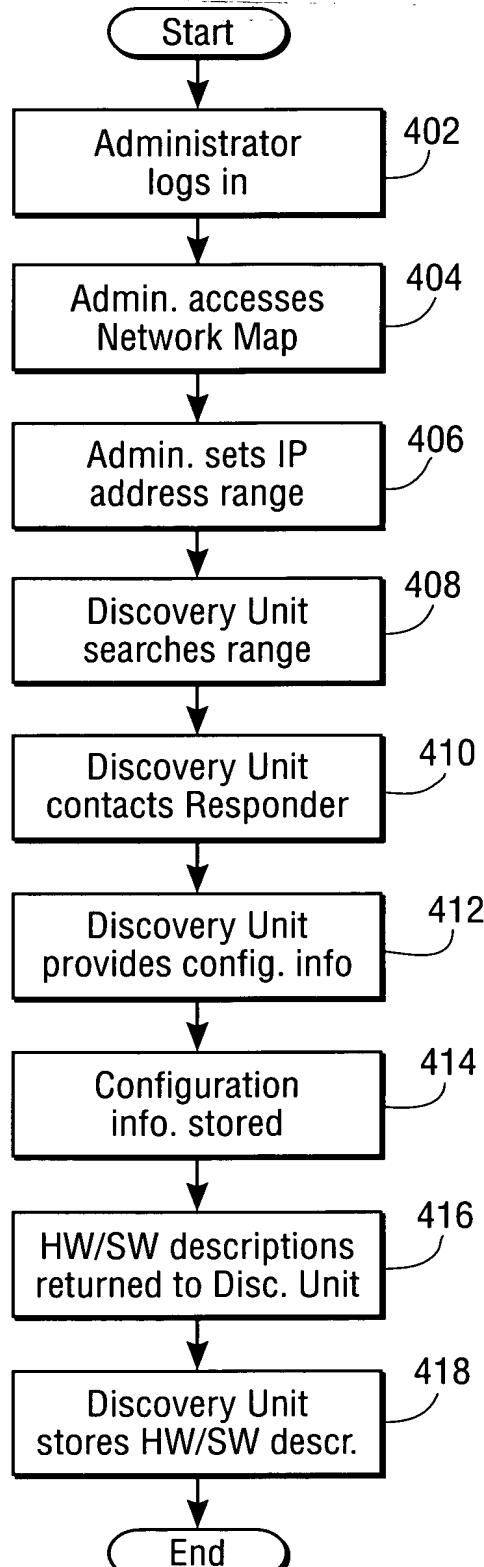
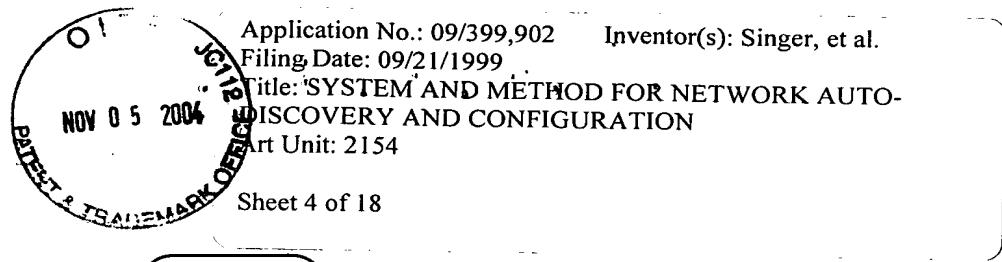


FIG. 4

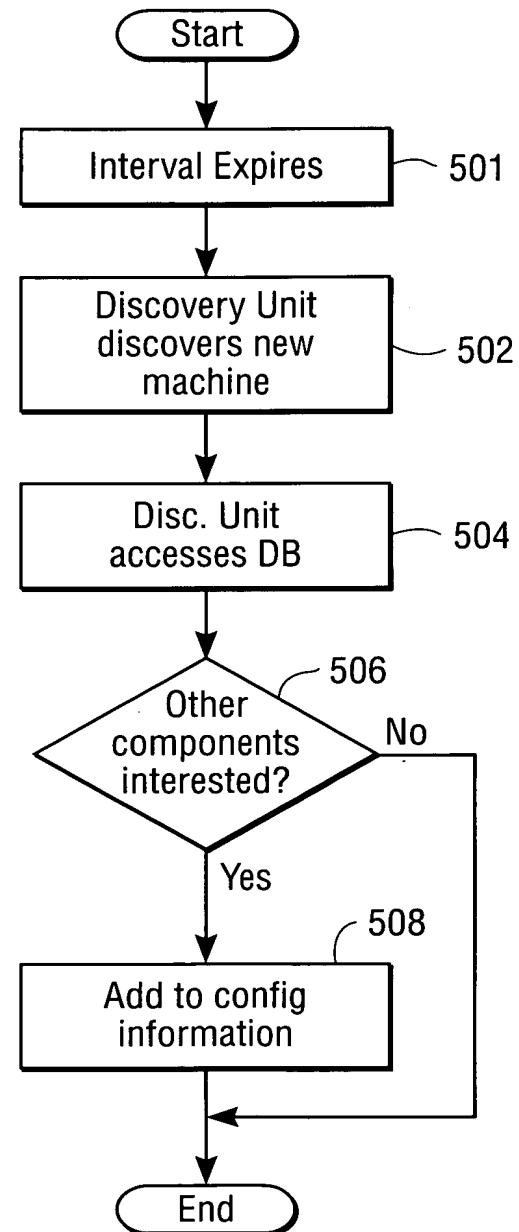


FIG. 5

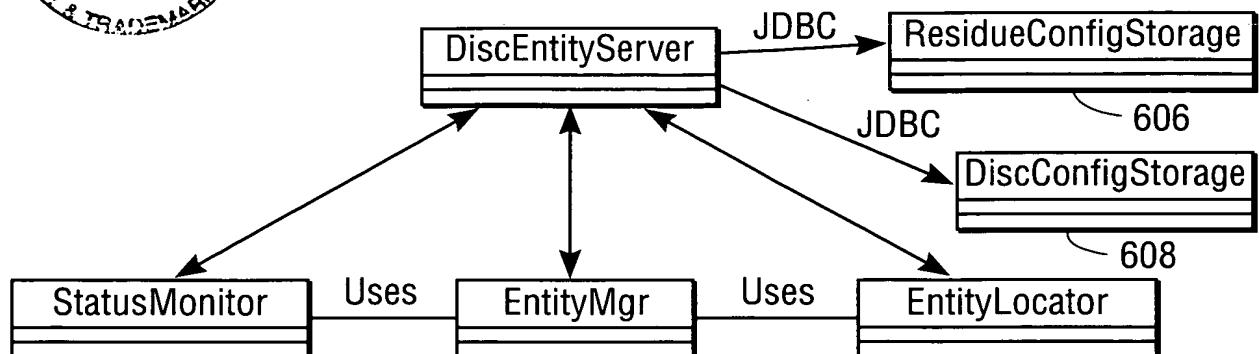
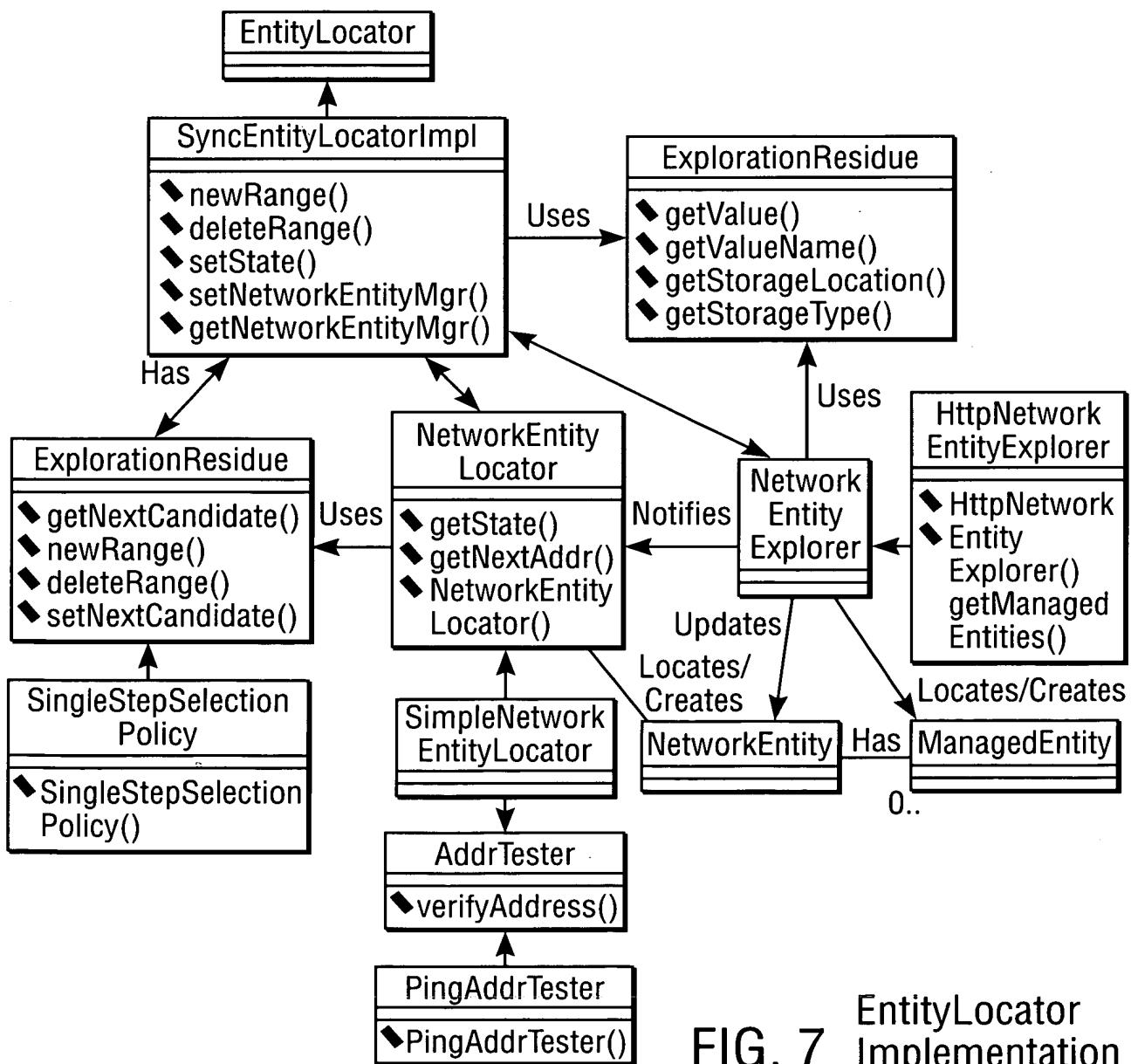


FIG. 6 High Level Classes in Disc Application





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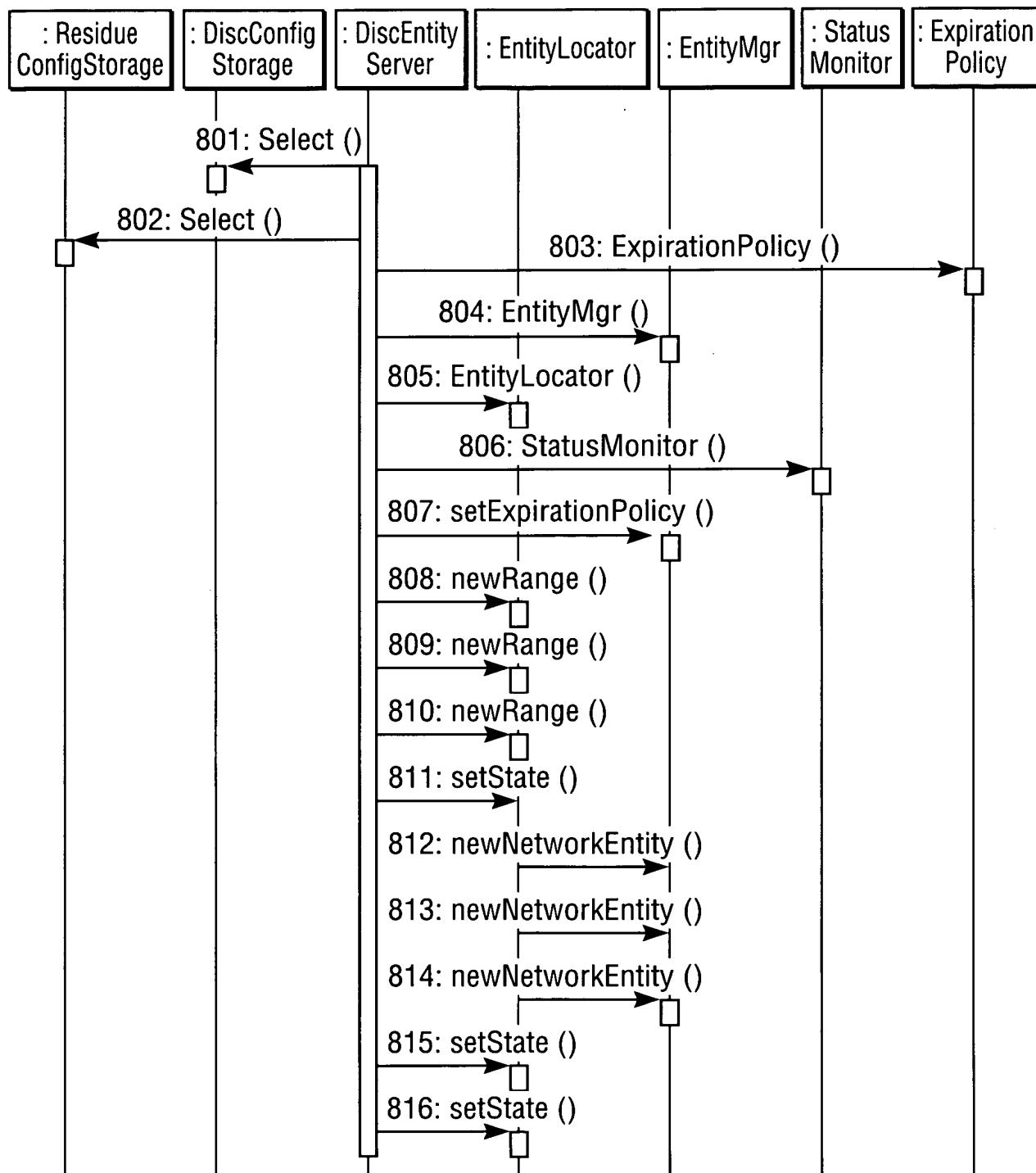


FIG. 8 Starting and Running the DiscEntityServer

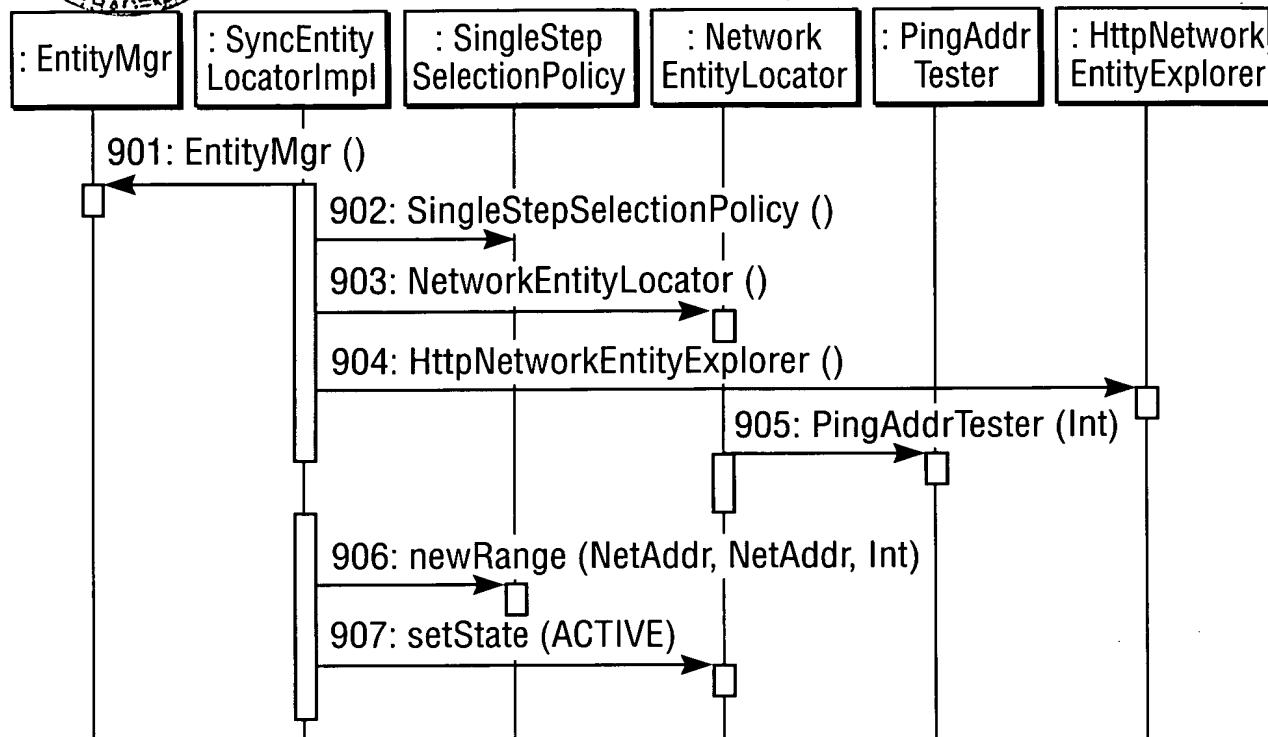


FIG. 9 Initialization of the EntityLocator

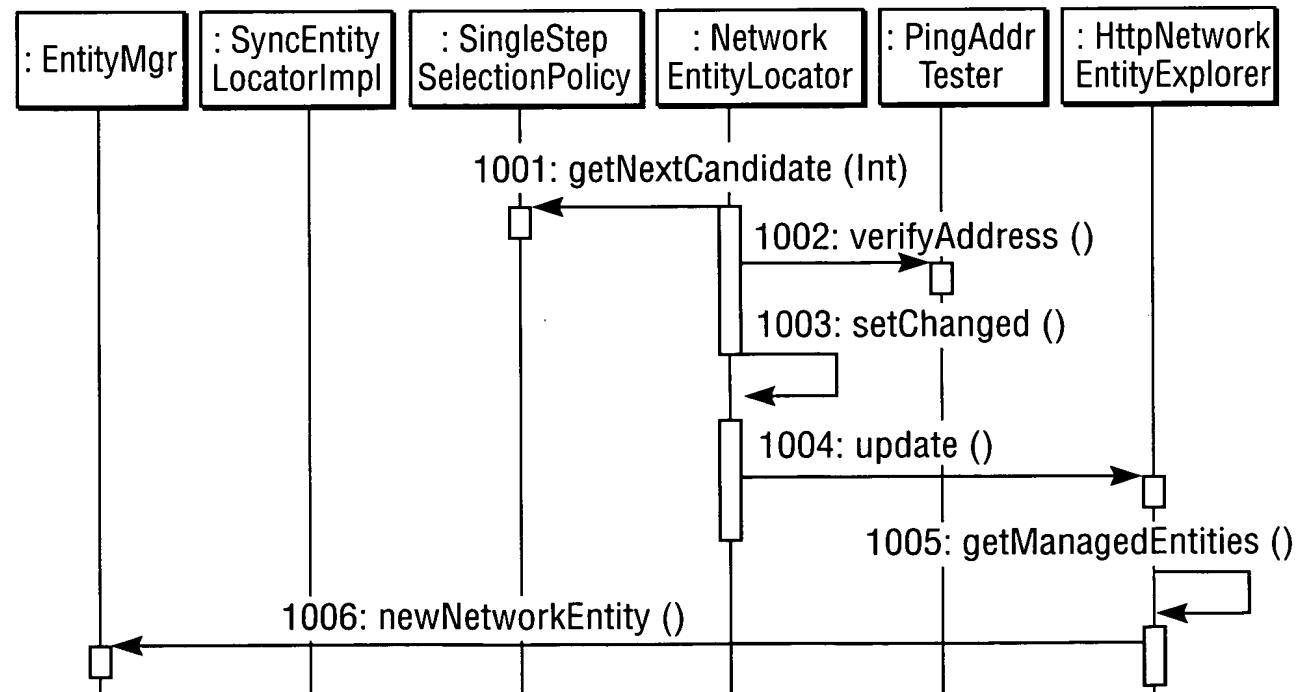


FIG. 10 An Iteration in the Location Process

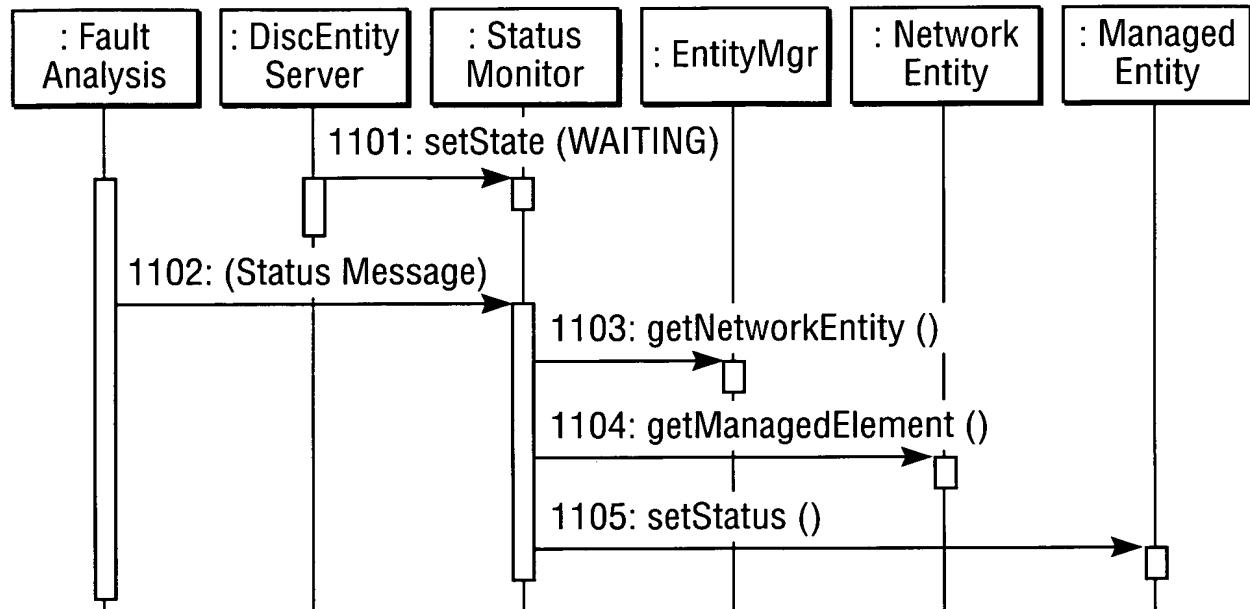


FIG. 11 StatusMonitor

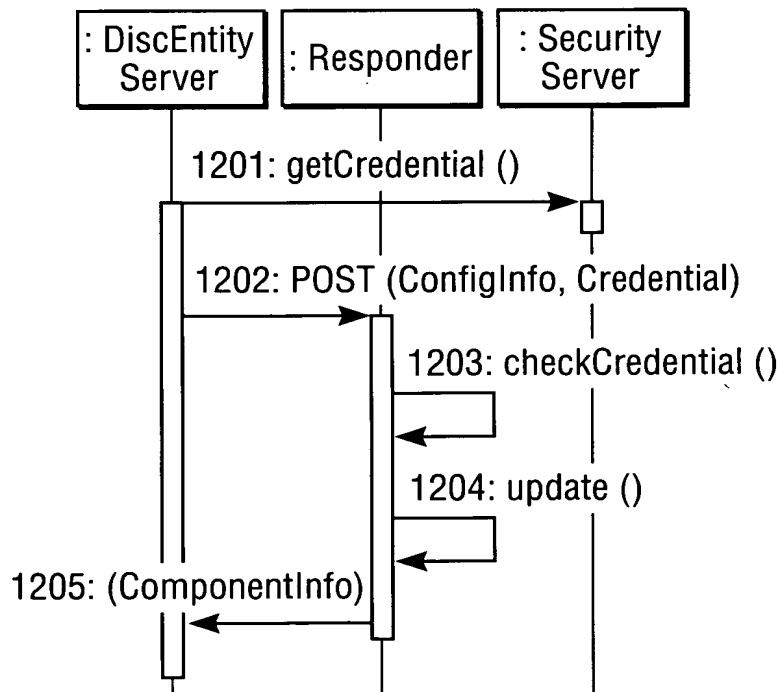


FIG. 12 Discovering and Updating a Responder

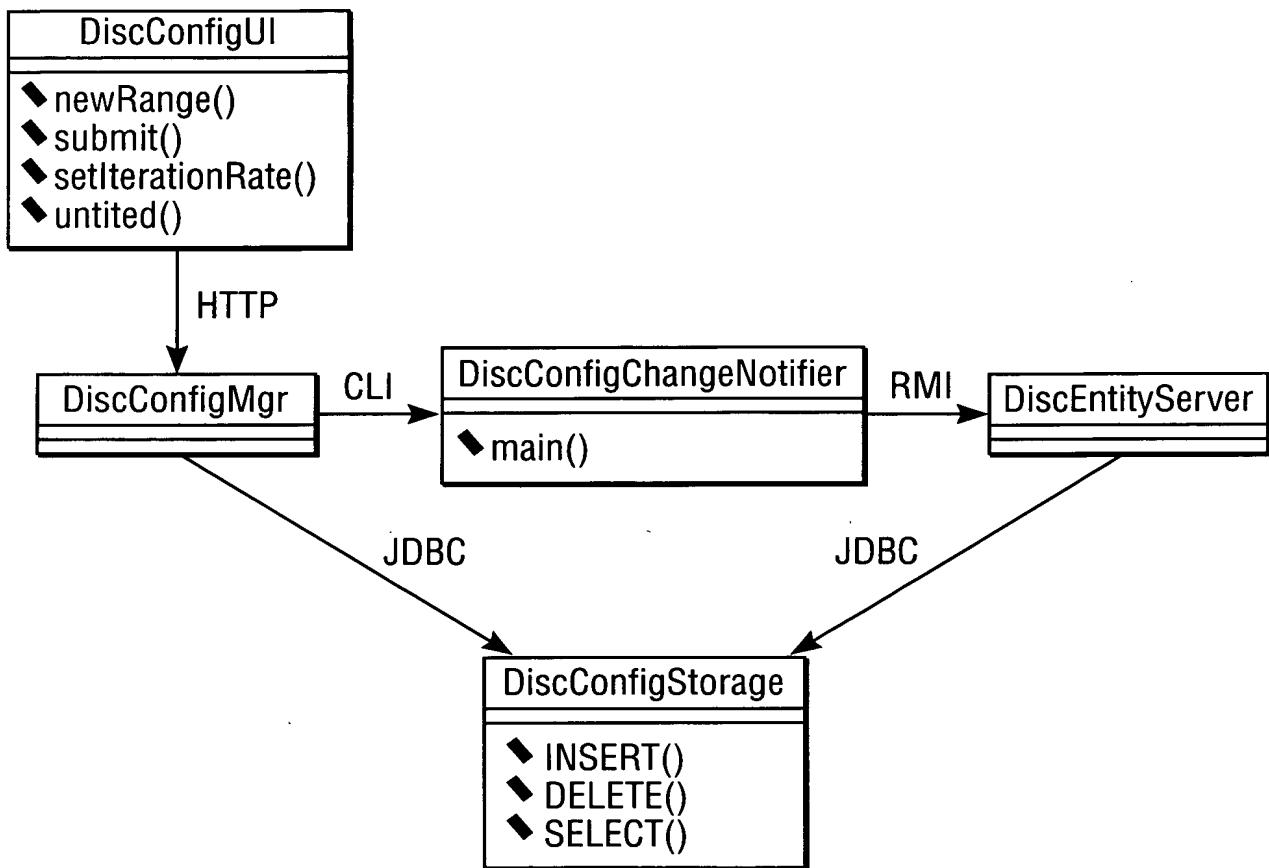


FIG. 13 DiscConfig communications methods

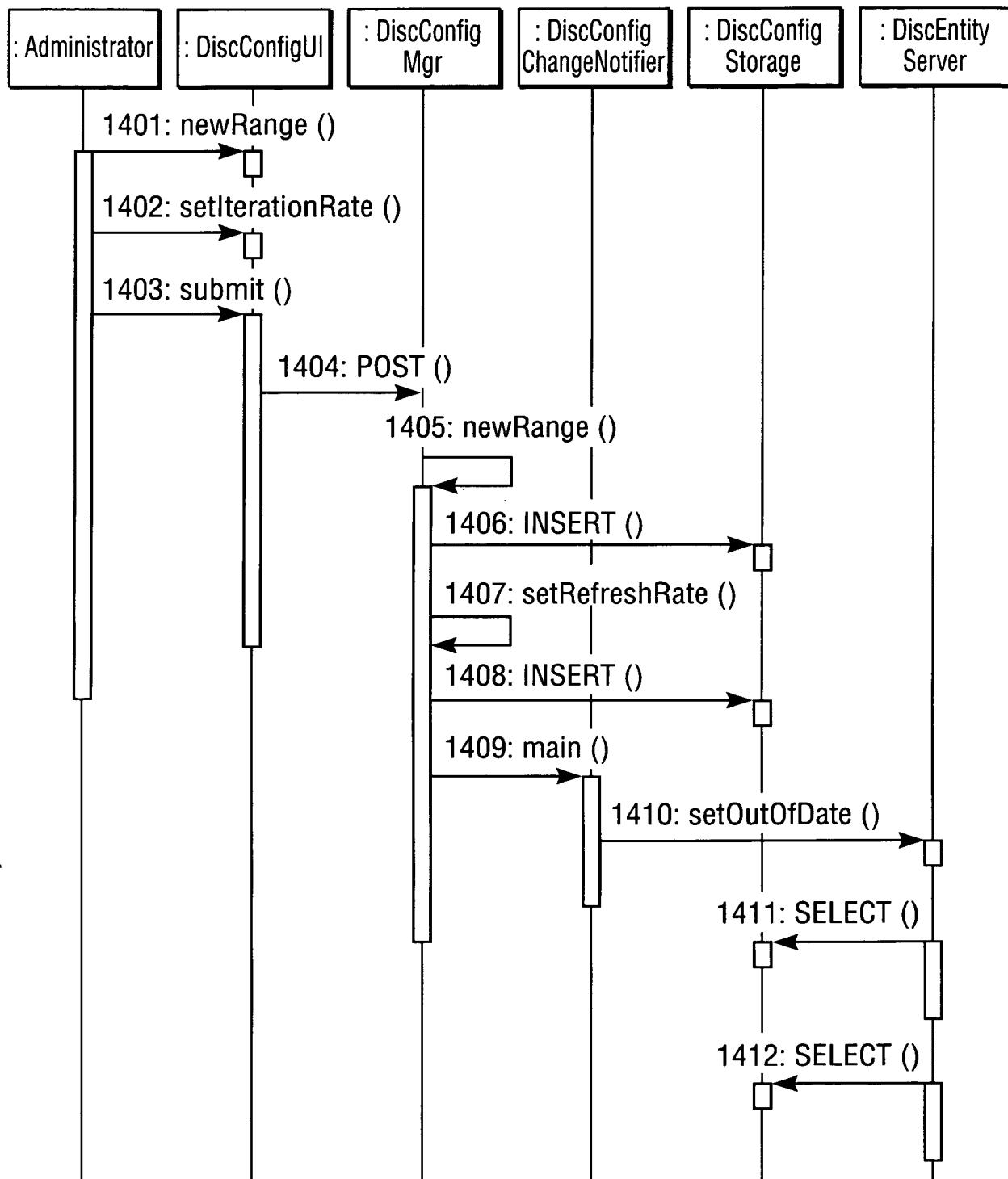


FIG. 14 Changing the configuration values

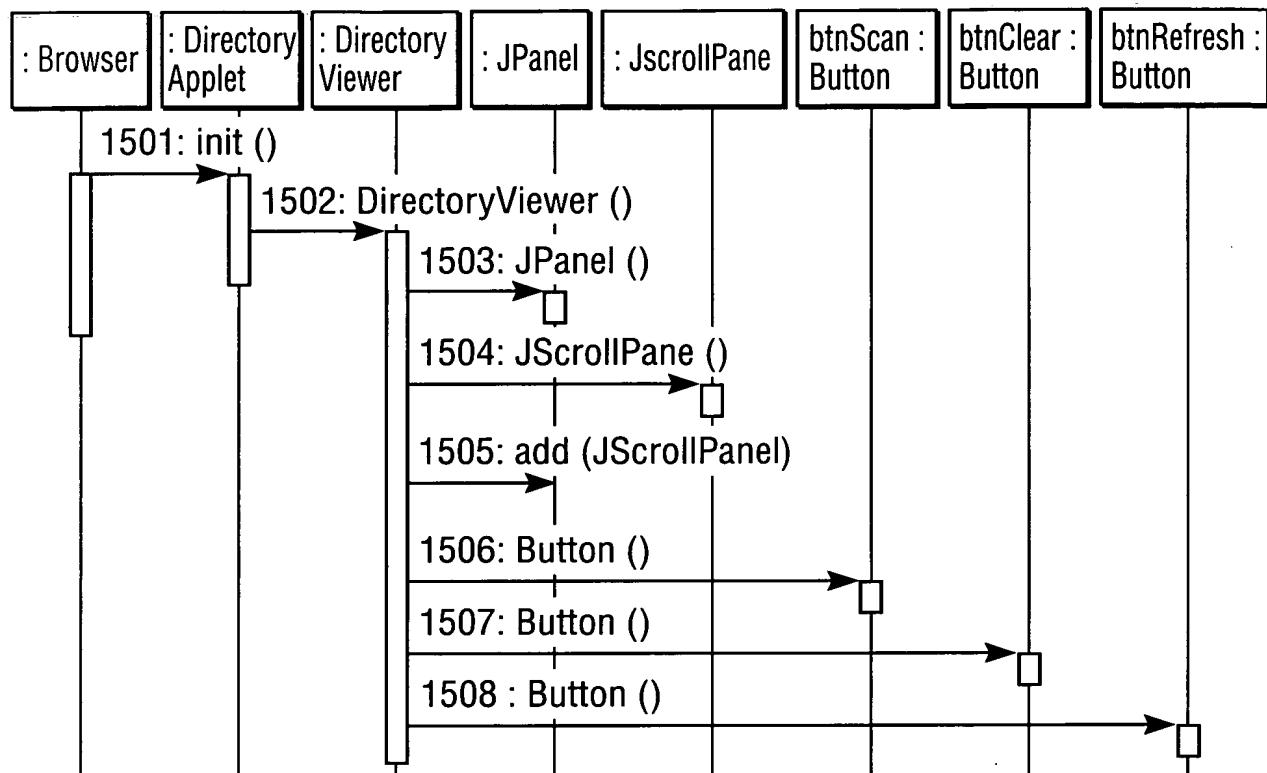


FIG. 15 GUI initialization

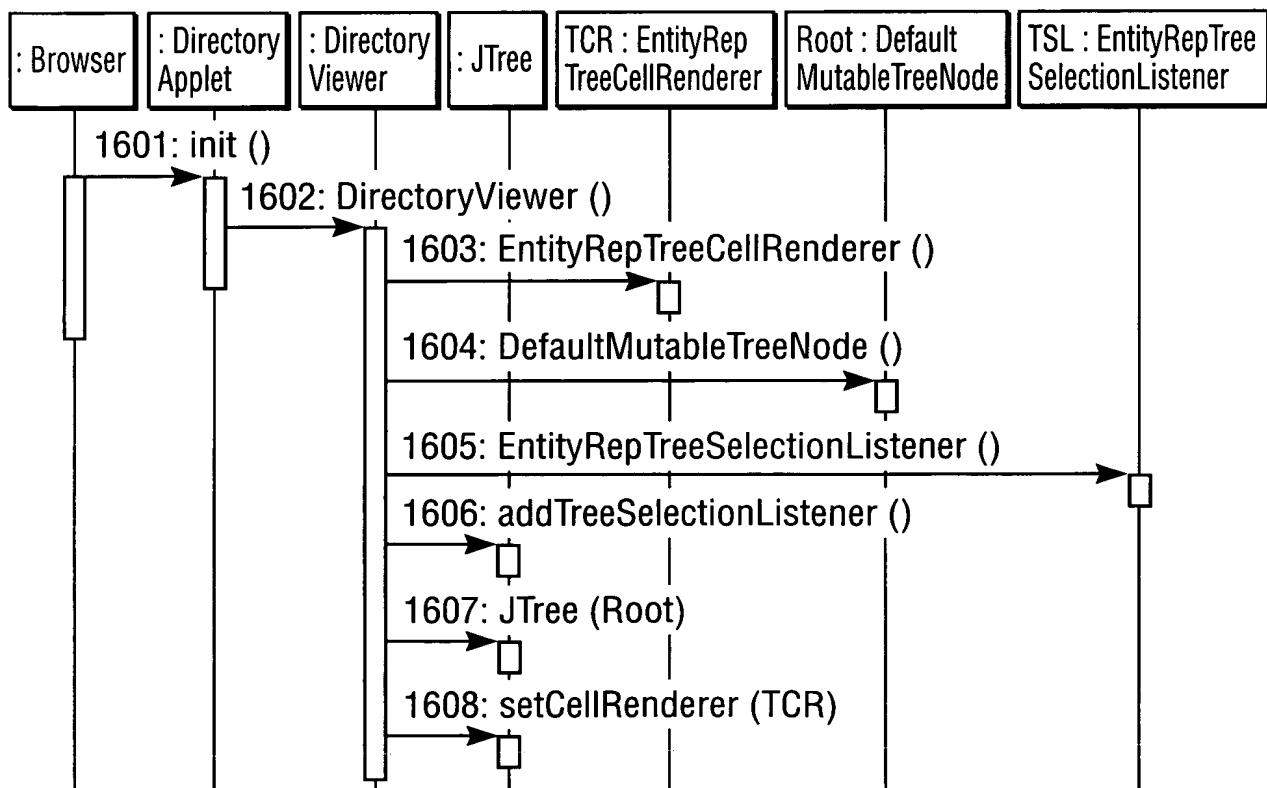


FIG. 16 Directory Initialization



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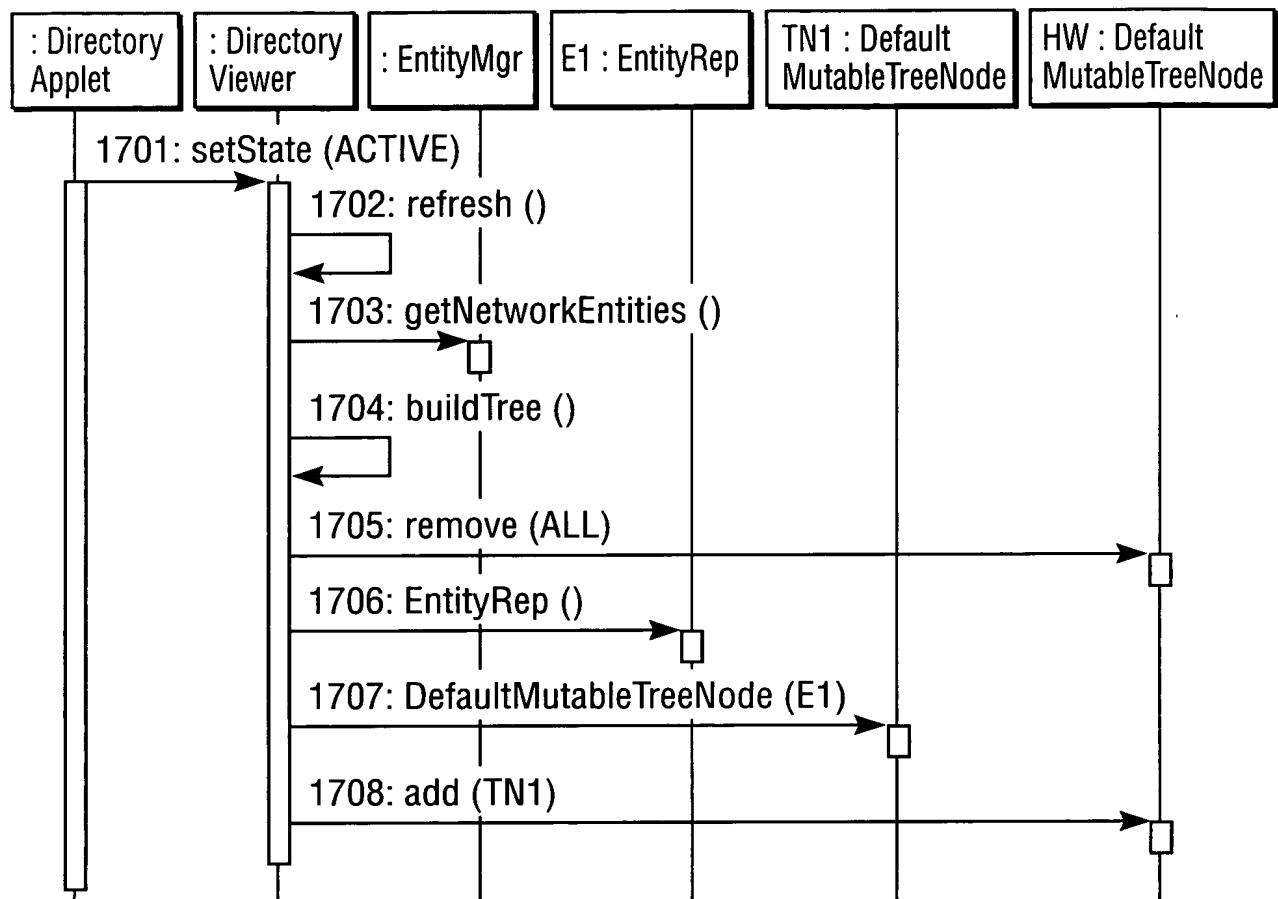


FIG. 17 Building the Directory

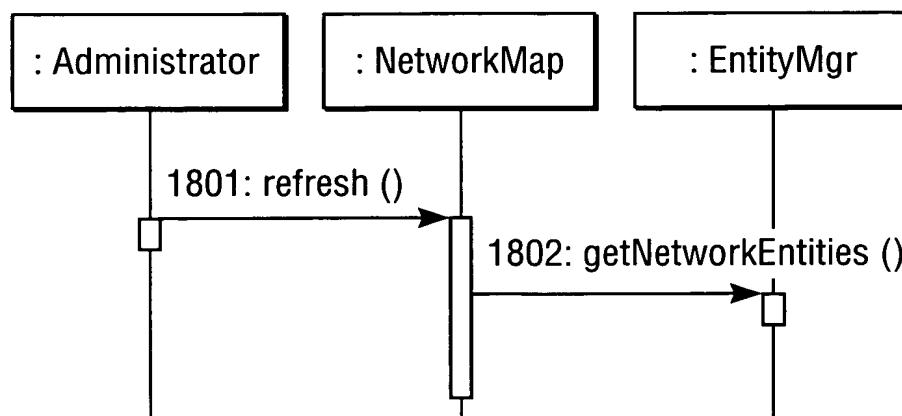


FIG. 18A Fetching the list of NetworkEntities



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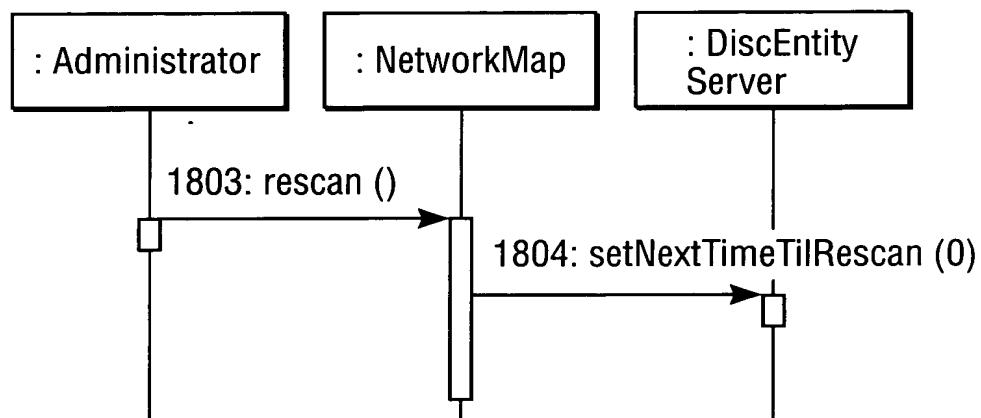


FIG. 18B Telling the DiscEntityServer to Rescan the network

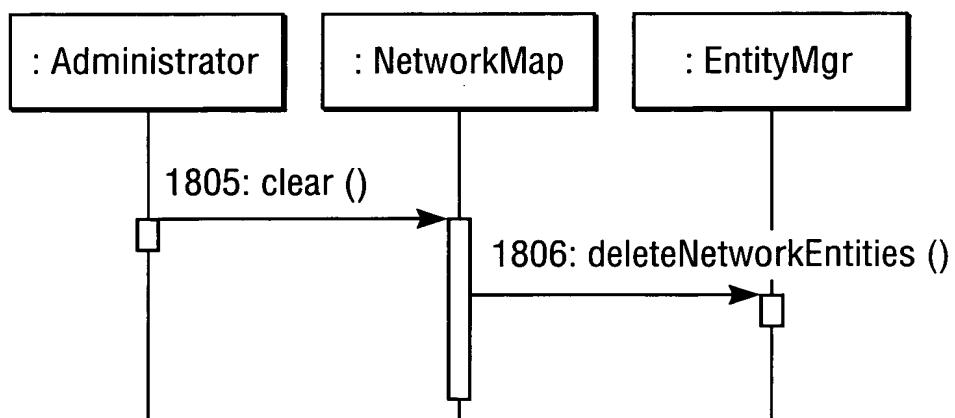


FIG. 18C Clearing the storage of all found NetworkEntities

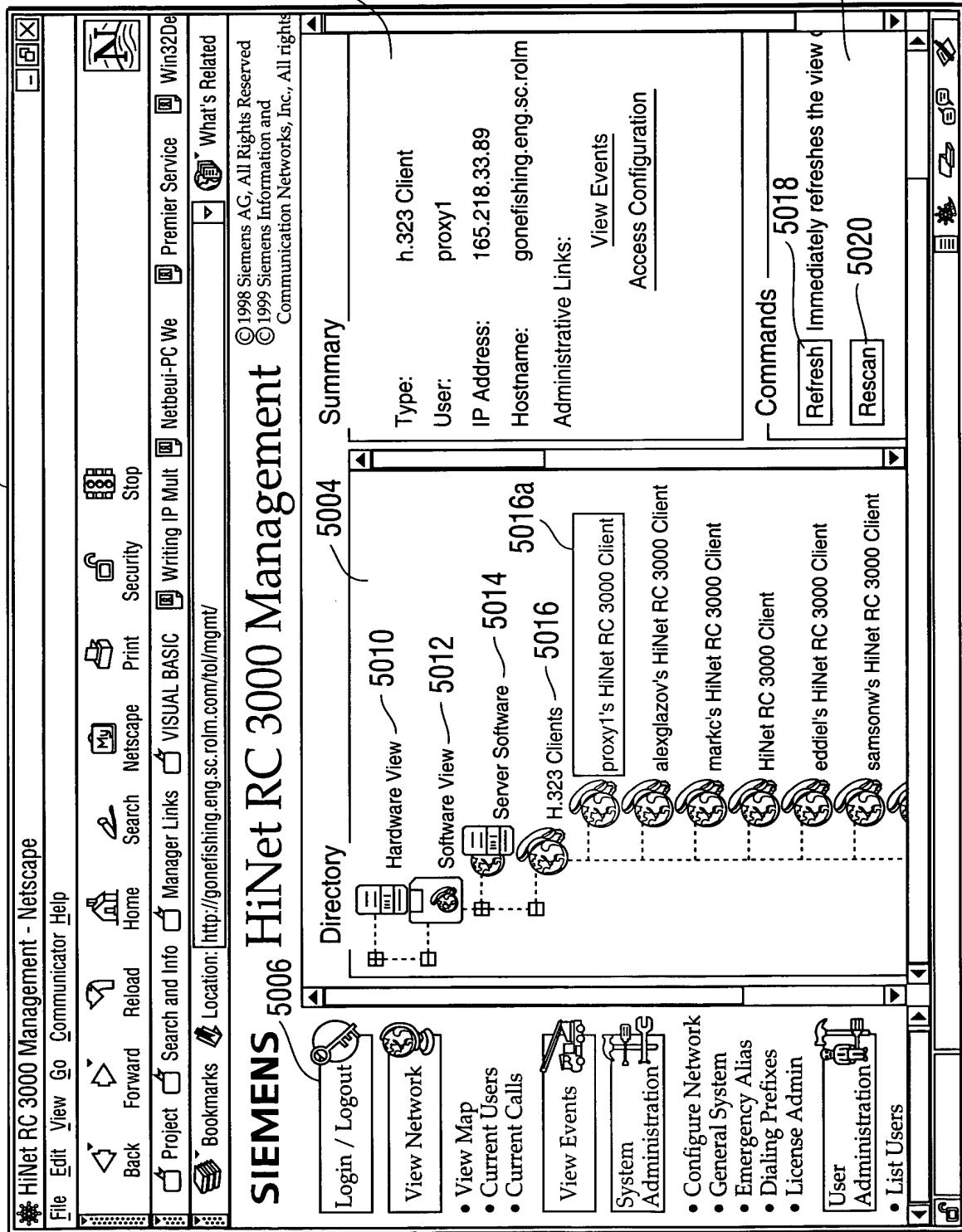


FIG. 19A

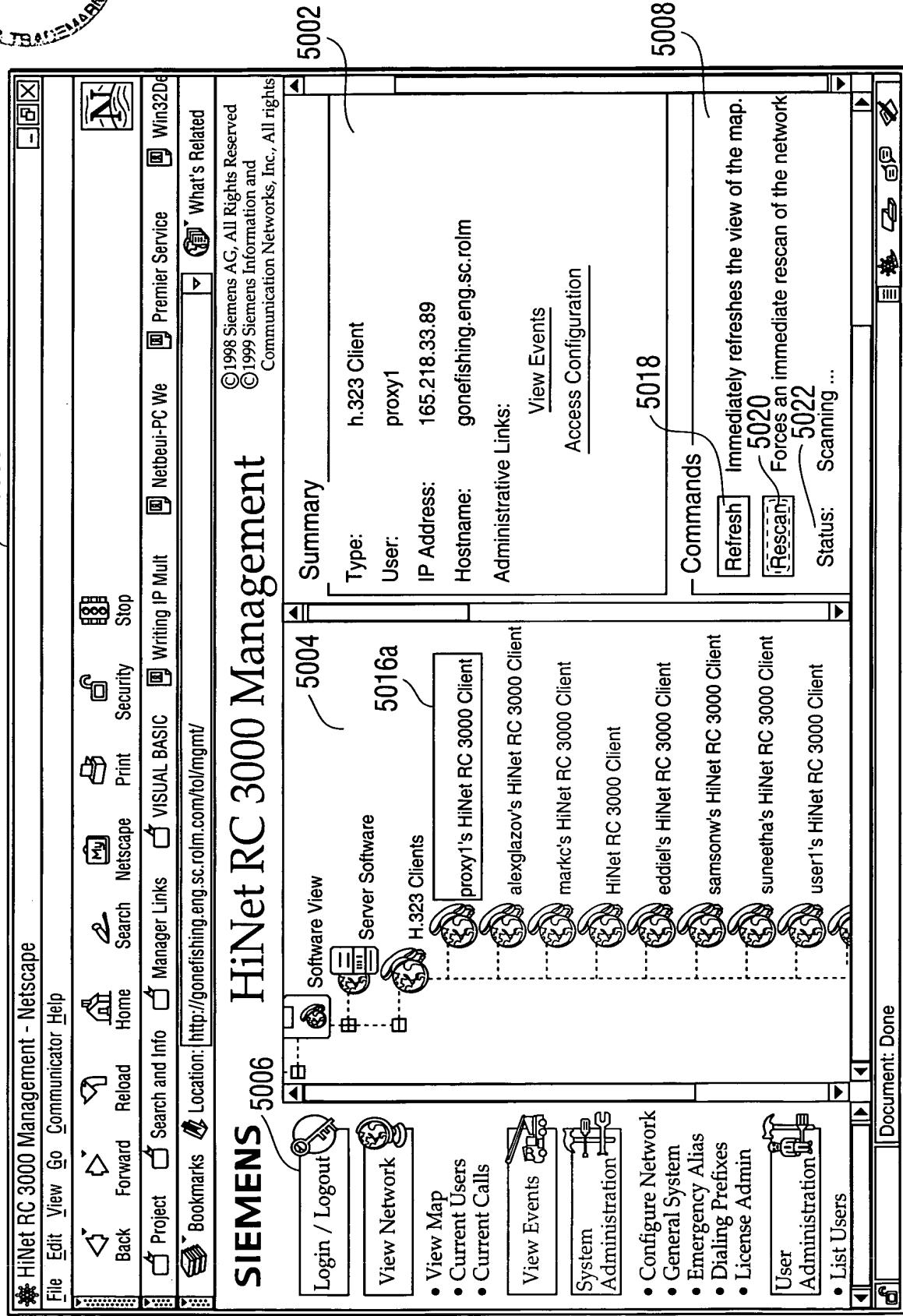


FIG. 19B

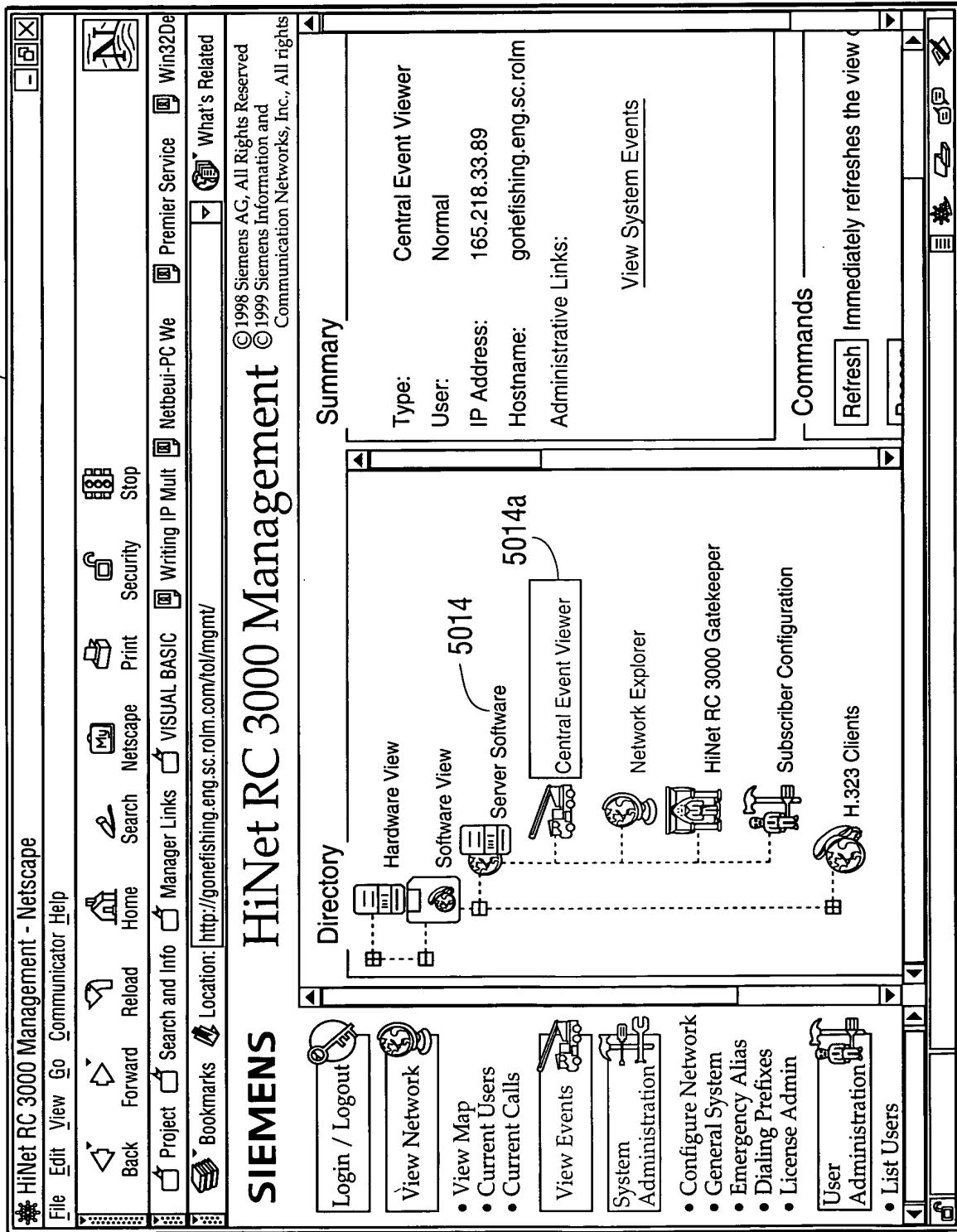


FIG. 19C

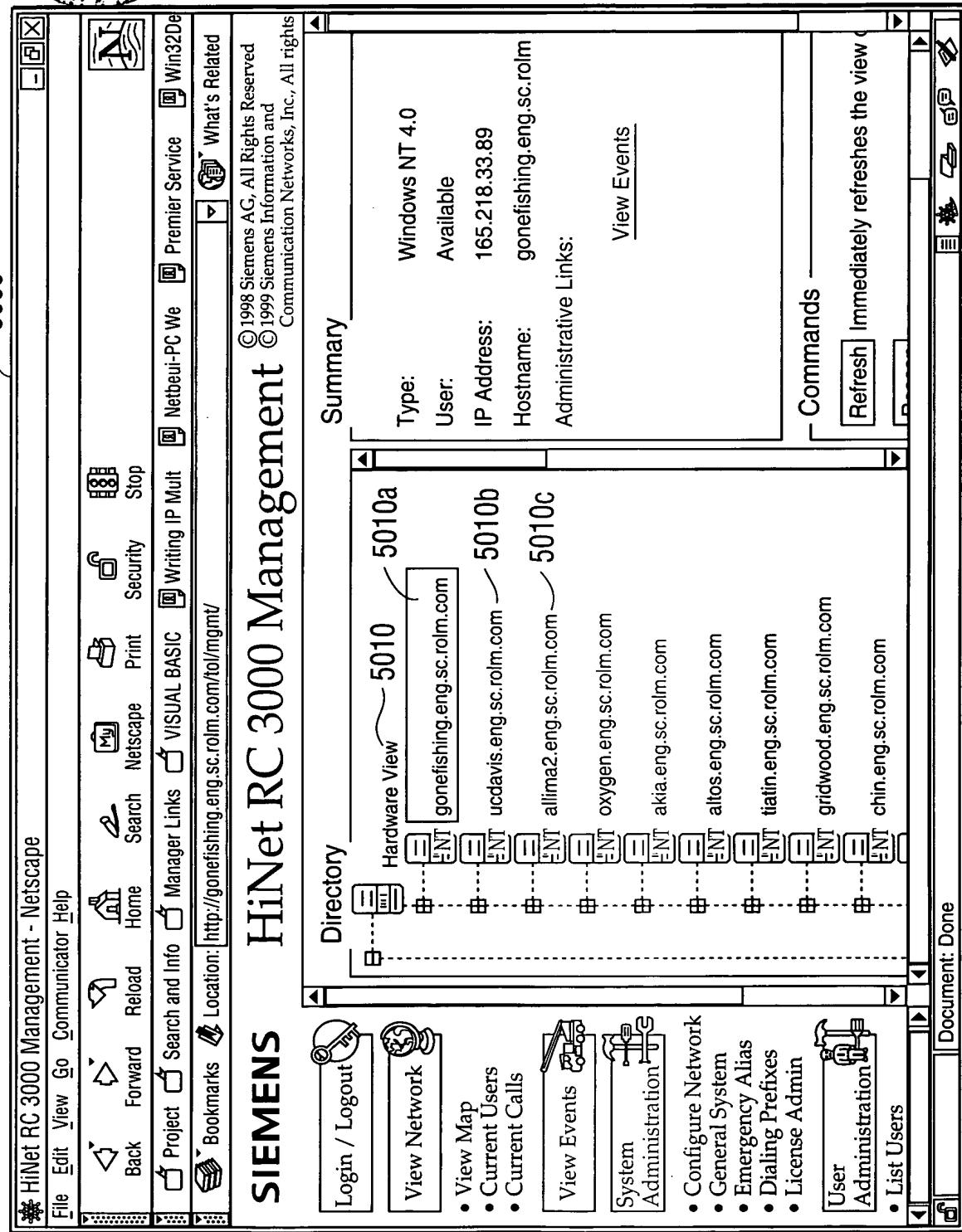
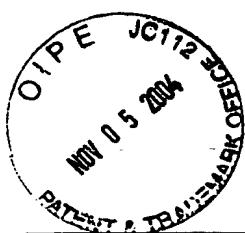


FIG. 19D



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5000

HiNet RC 3000 Management - Netscape

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Stop

Bookmarks Location: <http://gonefishing.eng.sc.rohm.com/tol/mgmt/>

Stanford Univer Rec.humor.funny Siemens Santa C Enterprise Netw Santa Clara PM_ WWW Search

SIEMENS 5006 HiNet RC 3000 Management

5050

Current IP address ranges

139.82.10.42	-	139.82.10.42
165.218.32.117	-	165.218.32.117
165.218.32.131	-	165.218.32.131
165.218.32.27	-	165.218.32.27

5070 Remove 5072 Remove All

5052

Add IP Range

Start of Range:
End of Range:
Clear Add

5054

Runtime Configuration

Minutes between automatic rescans:
Days until old components are removed:
Set Reset

5056

Actions

Rescan (w/o Clear)
Rescan (w/Clear)
Pause

5058

Status Messages

Document: Done

FIG. 19E